

EXHIBIT 2

1 provide information concerning the Philips MRI systems sold to the Regents at issue
2 in this case.

3
4 **Philips MRI Systems Sold To Regents**

5 5. Philips manufacturers various models of MRI systems, each with
6 varying features. I have been informed that Philips sold three MRI systems to the
7 Regents as detailed in the Table below:

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No.	MRI System	Hospital	Software	Date Purchased
1	Intera 1.5T	University of California San Francisco	v2.6	February 2, 2006
2	Achieva 3.0T TX	University of California Irvine	v3.2	April 26, 2010
3	Achieva 3.0T	University of California Irvine	v2.6	December 6, 2005

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18 6. In the Table above, the Intera 1.5T of item 1 has received a FreeWave
19 upgrade that replaced existing RF components with a state-of-the-art FreeWave RF
20 Platform and new software to provide the latest MRI functionality. Going forward, I
21 shall refer to all three MRI systems sold to the Regents as the “Achieva System”
22 since the three systems’ hardware and software behave identically for purposes of this
23 Declaration.

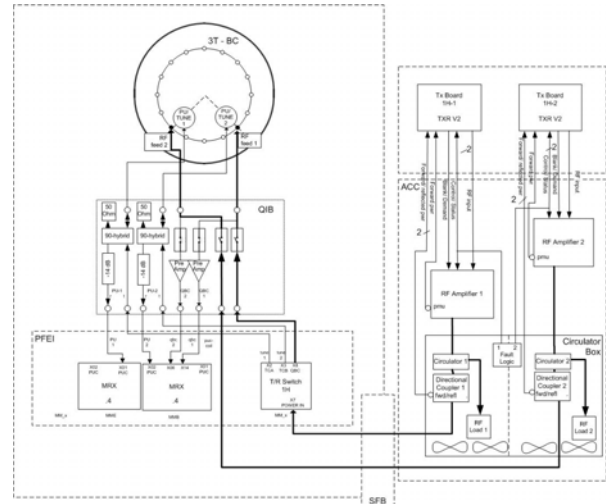
24 7. I further note that the three systems above sold to the Regents run a
25 Philips proprietary software tool known as “Diffusion Tensor Imaging” or “DTI”
26 software. That software is released to the Regents during the course of their
27 ownership of the MRI systems as part of a number of software “keys” known as
28

“Diffusion Tensor Imaging,” “Diffusion Tensor Specialist,” “DTI Specialist,” or “Fibertrak Specialist.”

The Achieva System Hardware And Software

8. The Achieva System is an MRI system having hardware and software components. The hardware components of the Achieva System include the Achieva Device (depicted below) that generates imaging data from a patient and sends that data to a specialized computer for processing and visualization.

9. A sample Achieva 3.0 TX model is pictorially shown on the left below, and on the right with an architectural diagram of the various hardware components.



10. As mentioned above, the software component of the Achieva System is a proprietary software tool known as the DTI software developed by Philips and sold to the Regents with the Achieva Device (by licensing software “keys” that allow the Regents to run the DTI software on the specialized computer). Again, those software keys that all contain the DTI software include software known as “Diffusion Tensor Imaging,” “Diffusion Tensor Specialist,” or “Fibertrak Specialist.”

11. The DTI software has various versions and options that customers can request. The Regents purchased the DTI software having the release versions

1 detailed in the Table above. These release versions do not materially differ from one
2 another for purposes of the statements made in this Declaration.

3 12. The DTI software is integrated and sold as part of the specialized
4 computer sold with the Achieva System. In fact, the specialized computer with the
5 DTI software is an especially designed and tested medical device that is subject to
6 regulation and approval by the Food and Drug Administration (“FDA”).
7 Accordingly, once approved by the FDA, that specialized computer and software
8 running on it cannot be modified without affecting the medical device status of this
9 device.

10 13. The DTI software performs many functions as part of the Achieva
11 System. For purposes of the issues related to this action, I will focus on the following
12 functions of the DTI software—namely that the DTI software: (i) performs tensor,
13 not vector, processing; and (ii) applies diffusion weighted gradients regardless of
14 whether the axis of anisotropy is known or unknown.

15
16 **The DTI Software Performs Tensor, Not Vector, Processing**

17 14. As discussed above, the Achieva System uses the DTI software.

18 15. I am readily familiar with the software Design Specifications
19 (“Specifications”) for the DTI software. In those Specifications, “(Diffusion)
20 Tensor” is defined as a “Mathematical representation of diffusion in a single voxel,
21 that can be used if at least 6 diffusion directions are known for this voxel.” In fact,
22 Appendix A of that same Specification sets forth a “Tensor Performance Memo” that
23 details the process for “Loading (Computing) Volume of Tensors.” Importantly no
24 vector processing is used or described in the Specifications because tensor, not
25 vector, processing is performed by the DTI software.

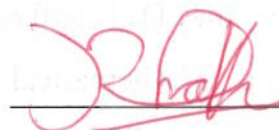
26 16. In sum, the DTI software does not perform any form of vector analysis
27 to calculate anisotropy, although they do perform tensor analysis to calculate
28 Fractional Anisotropy.

The DTI Software Applies Diffusion Weighted Gradients Regardless Of Whether The Axis Of Anisotropy Is Known Or Unknown

17. The Achieva System has preset directions in which they apply diffusion gradients. It can generate gradients in up to 32 separate directions. The directions in which the Achieva System can apply these gradients does not depend on whether the axis of anisotropy of the target structure is known or unknown; rather, the directions are preprogrammed into the machine. While the number of directions of gradients can be chosen before the start of the pulse sequence, the directions themselves cannot. In fact, even if the axis of anisotropy of a particular target structure might be known in a particular instance, it is not possible to enter this information on the Achieva System.

18. In sum, the Achieva System is not dependent on knowing the axis of anisotropy. A user can provide a set of diffusion-sensitive directions, but the Achieva System has no process for indicating that the axis of diffusion-anisotropy is known or unknown.

I declare under penalty of perjury under the laws of the State of California and the United States of America that the foregoing is true and correct. Executed this 15 day of August, 2012 in Best, The Netherlands.



Ronald Holthuizen